

lectureStudio – Tutorial 5: Screenshares

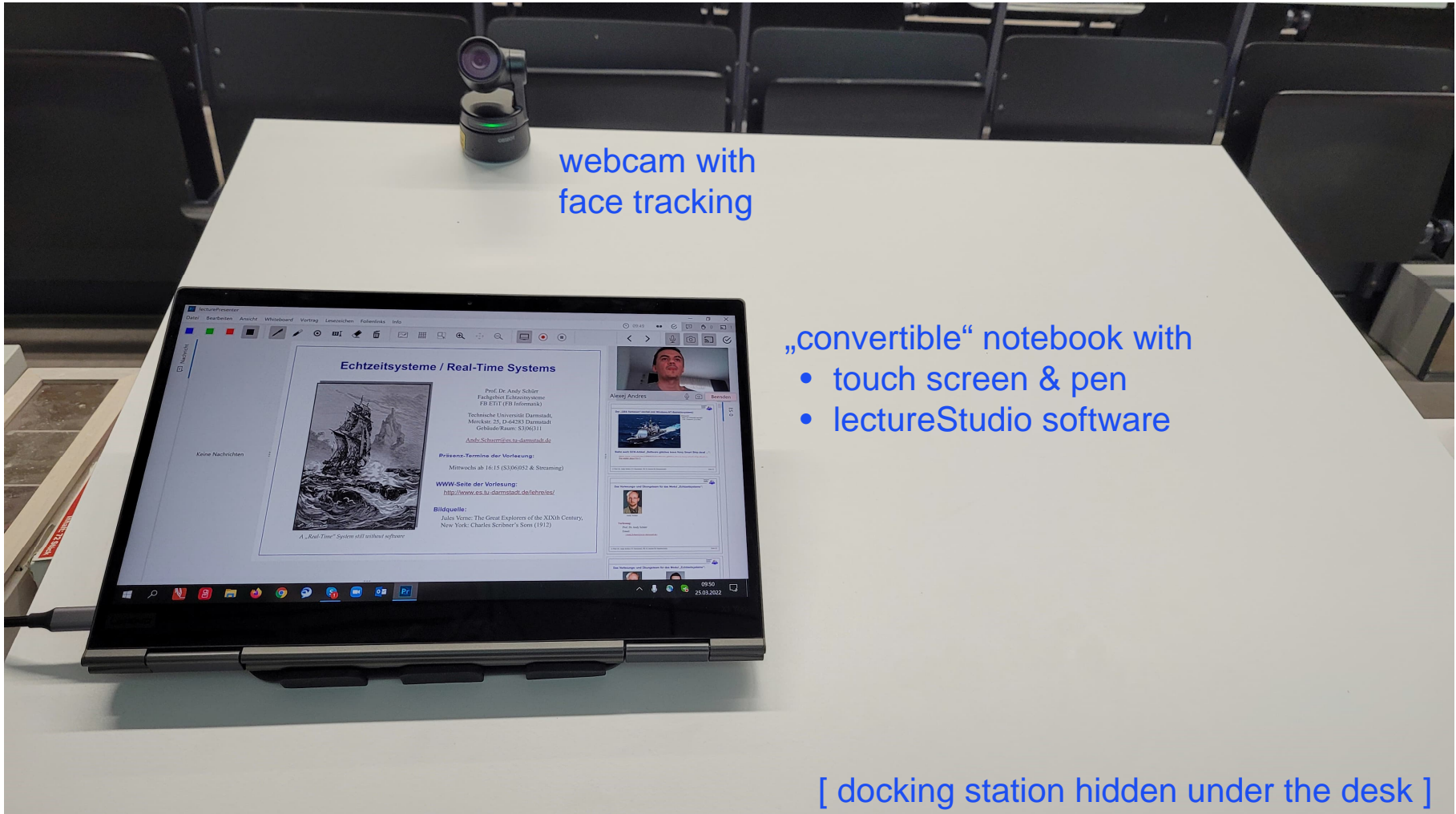
Alex Andres, Andreas Koch, *Andy Schürr*
Technical University of Darmstadt
<https://www.lecturestudio.org>



eTeaching Work Place in 2020, 2021, ...



Hybrid Setting (Lecture Hall & Streaming)





Categories of eTeaching Tools

- presentation tools (with integrated whiteboard?)
 - PowerPoint, pdfpc, ...
- presentation recording and postprocessing tools
 - Panopto, Camtasia, Snagit, ...
- streaming / video conference tools
 - BigBlueButton, Zoom, ...
- interactive poll/quiz execution tools
 - Pingo, Moodle, ...
- interactive group chat tools
 - Element, Zoom, ...
- ...

**lecture-
Studio**

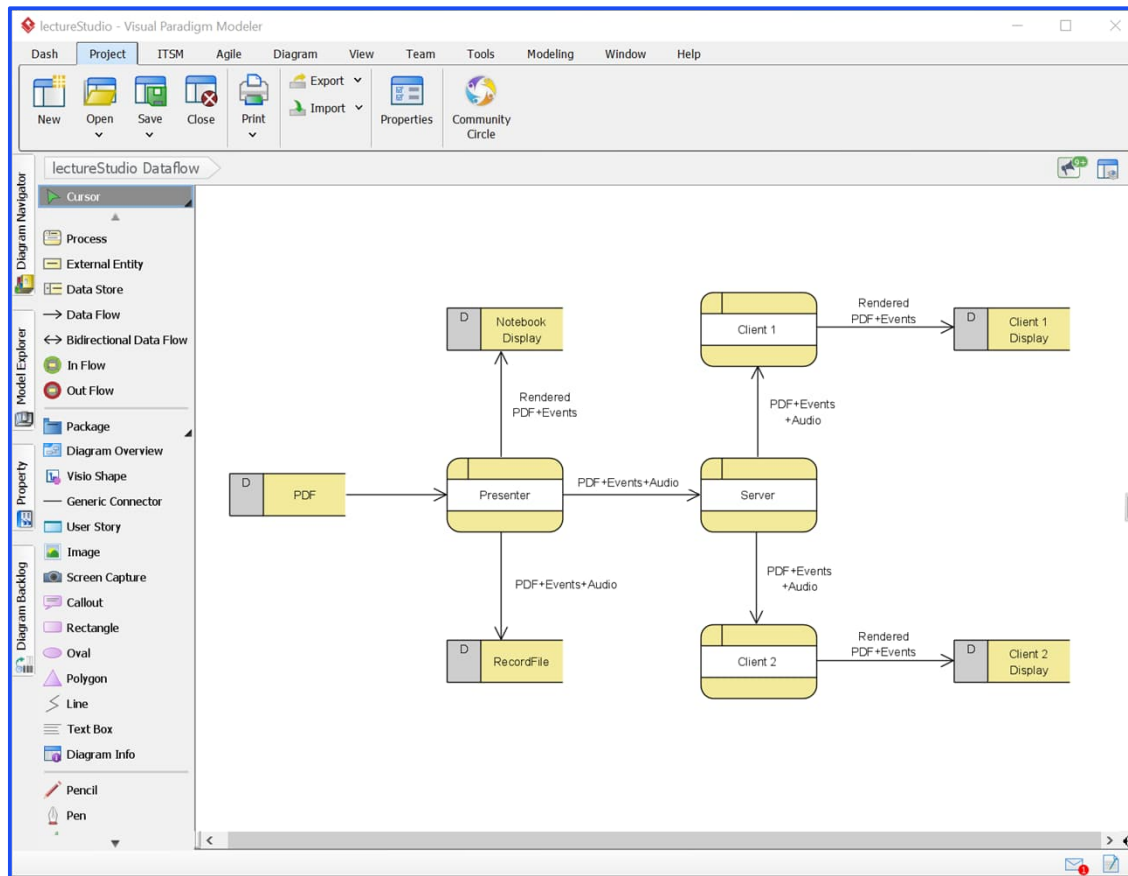


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- ...

with new
screensharing
functionality

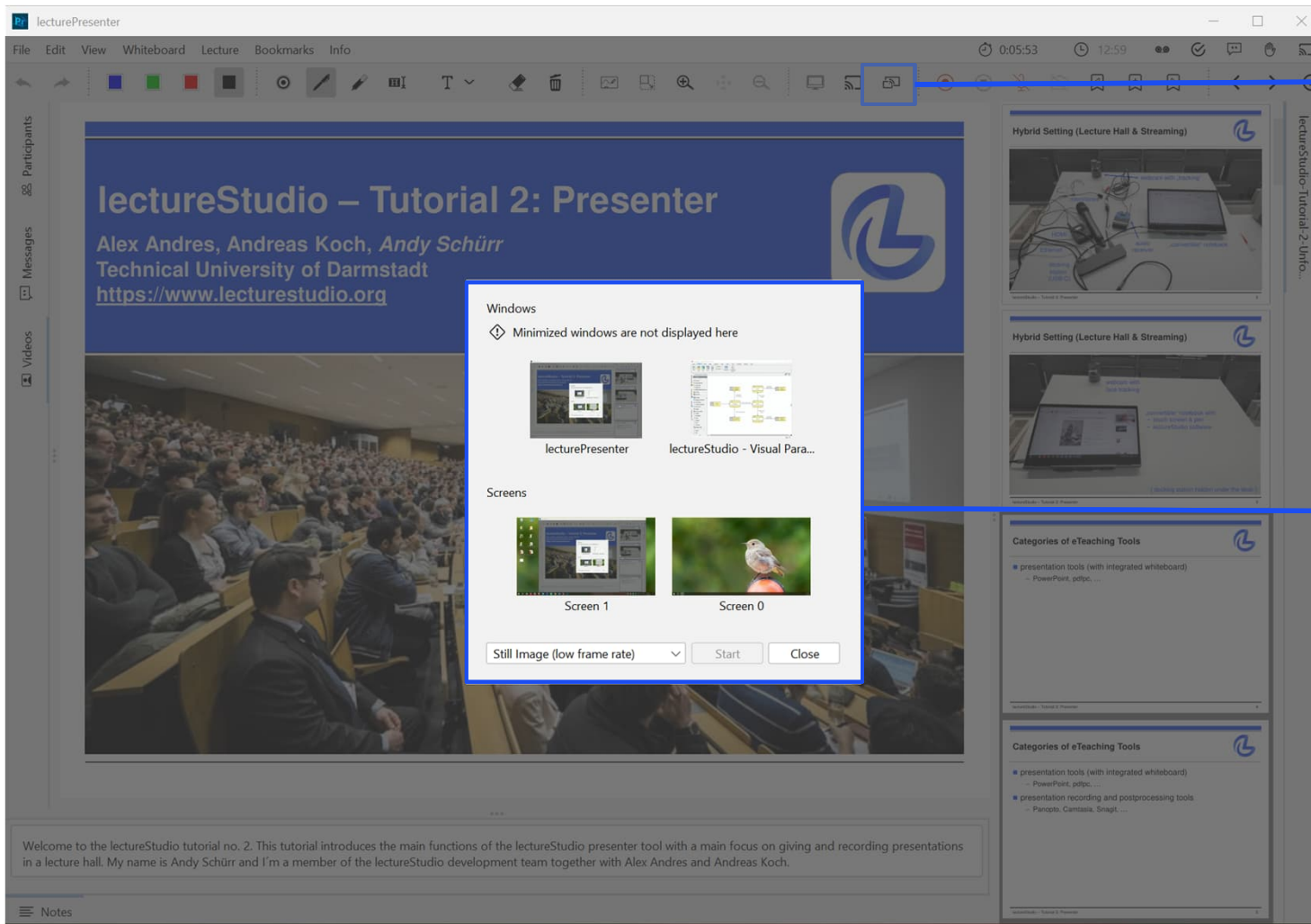
lectureStudio Presenter – Screensharing Example



→ Presenter

Visual Paradigm Modeler (<https://www.visual-paradigm.com>)

lectureStudio Presenter – Open Screenshare



create
screenshare
tab

select
window &
framerate

lectureStudio Presenter – PDF Slide



lecturePresenter

File Edit View Whiteboard Lecture Bookmarks Info

0:08:35 13:02

Participants Messages Videos

Starting Point: PDF Document (or ppt)

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 - PowerPoint, pptx, ...
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 - Perceptive Content, Snagit, ...
- streaming / video conference tools
 - BigBlueButton, Zoom, ...
- interactive pedagogic execution tools
 - Page, Moodle, ...
- interactive group chat tools
 - Element, Discord, ...

Powerpoint presentation (with animations)

PDF presentation (with embedded comments)

PPSpliT (Powerpoint plugin)

PDF creation

open

Powerpoint presentation (with unfolded animations)

presentation, recording, streaming (with lectureStudio Presenter)

lectureStudio – Tutorial 2: Presenter 14

Afterwards, another plugin or PDF printer driver may be used to translate the unfolded Powerpoint presentation into a PDF document. A similar workflow can be established when you are using an open source presentation tool such as libreOffice Impress.

Notes

lectureStudio Presenter – User Interface

lectureStudio-Tutorial 2-Intro...

lectureStudio - Visual Parad...

presented slide

slide preview

presented slide

slides

PDF
doc.
tab

screen-
share
tab

place
for add.
PDF or
screen-
share
tabs

lectureStudio Presenter – Screenshare Tab

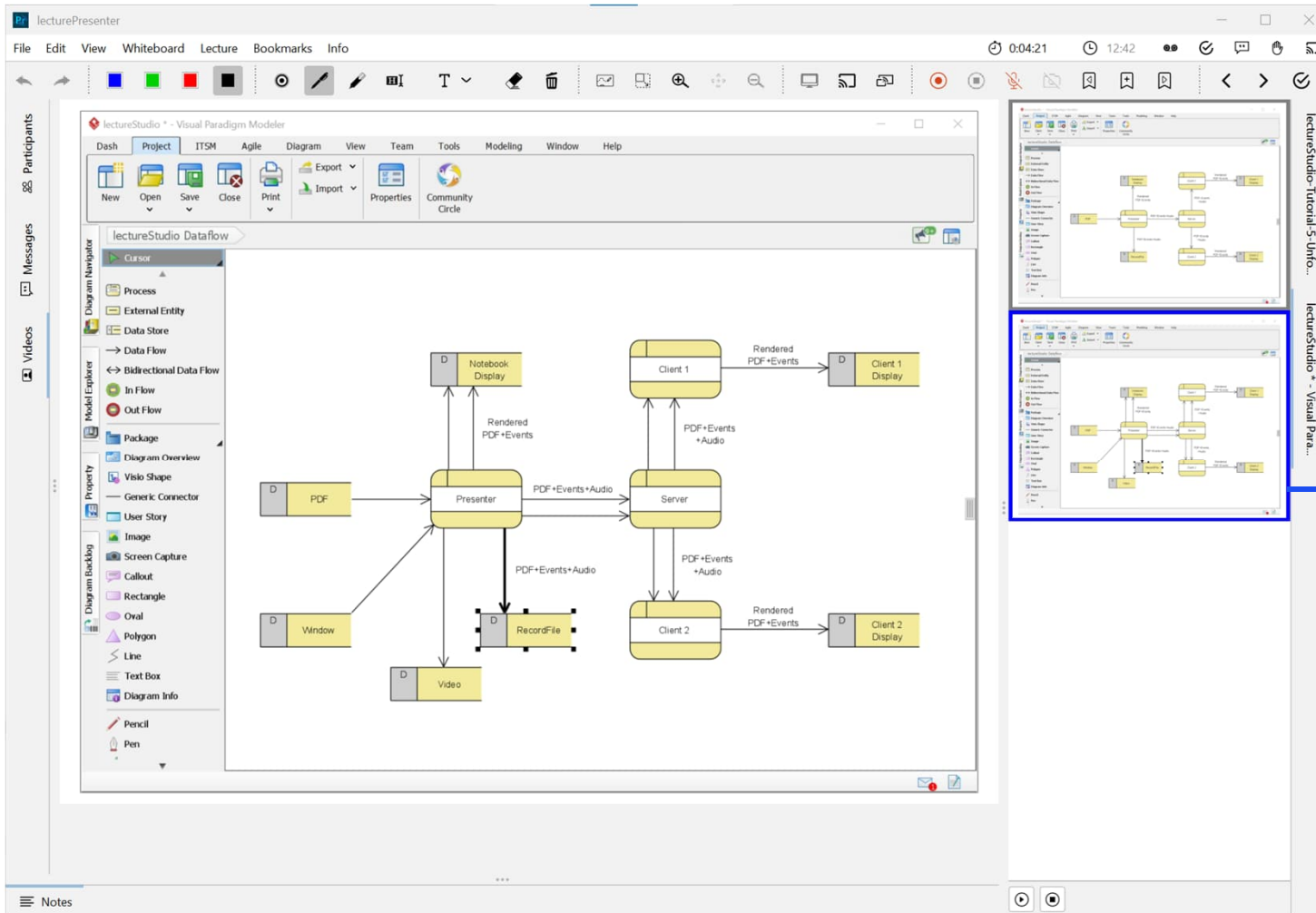


1st PDF page (screendump)

screenshare doc. tab

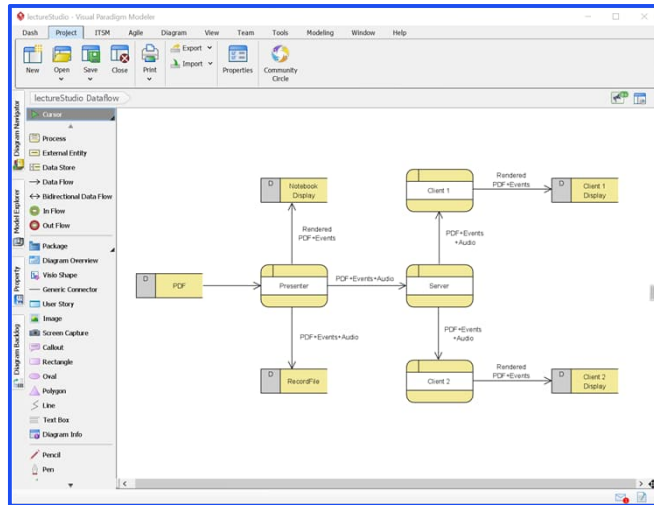
start
pause
stop

lectureStudio Presenter – Screenshare Tab



2nd PDF page
(screendump)

lectureStudio Presenter – Screensharing Example

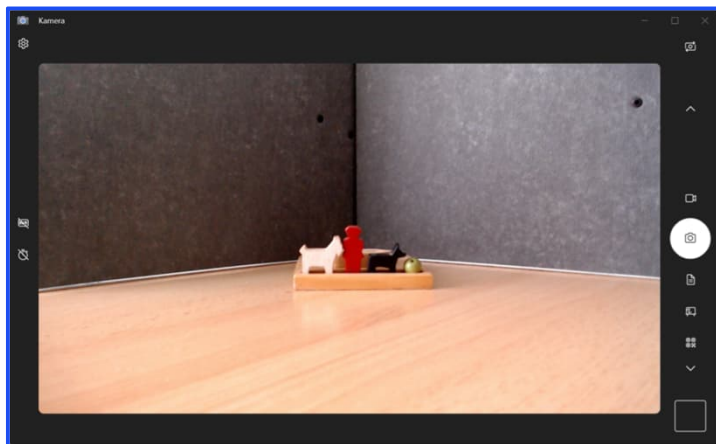


Visual Paradigm
Modeler

low framerate

Screensharing

Presenter



high framerate

Microsoft
Camera App

lectureStudio Editor – Processing Screenshares



The screenshot displays the LectureStudio Editor interface. On the left, the 'Export as video' panel is visible, showing the video format set to 'MP4: H264 + AAC'. The main workspace shows a dataflow diagram for 'lectureStudio Presenter - Visual Paradigm Modeler'. The diagram includes components like 'PDF', 'Presenter', 'Server', 'Client 1', 'Client 2', 'RecordFile', and 'Display'. A blue box highlights a section of the timeline with the text: 'Screensharing activities have been recorded using another workplace setting with another microphone. This is why the audio quality of this part of the tutorial is worse than the other parts.'

On the right, there are two preview windows. The top one is titled 'lectureStudio Presenter – Screenshare Tab' and shows a screenshot of the Visual Paradigm Modeler interface. The bottom one is titled 'lectureStudio Presenter – Screensharing Example' and shows a diagram of the screensharing process, with labels for 'low framerate', 'high framerate', and 'Microsoft Camera App'. A blue box highlights a section of the timeline with the text: 'stored in separate video file'.

At the bottom, there is a timeline with a blue audio waveform. A blue box highlights a section of the timeline with the text: 'added text' and 'screen-share'.

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